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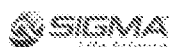
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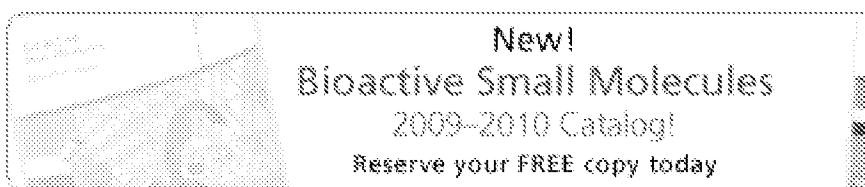
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Channels > Voltage-gated Ion Channels > Monovalent Ion C  
Other **Sodium Channel Modulators**



## Other Sodium Channel Modulators

### Description

Ambroxol hydrochloride

Anemone Toxin II >95%, lyophilized powder

APE 1-2 >95%, lyophilized powder

APE 2-1 >98%, lyophilized powder

ATX II recombinant, from *Escherichia coli* ≥98%, lyophilized powder

### Biochem/physiol Actions

Metabolite of bromhexine. A Nav1.8-preferring **sodium c**

Originally isolated from *Anem*. Voltage-gated **sodium chann**

Cardiotoxin. Less potent than

Cardiotoxin that modulates the channels in neuroblastoma ce

rATX II is a 47 amino acid pep  
*Anemonia sulcata* sea anemo  
neurotoxin, which modulates v  
gating kinetics by delaying its  
action potential of excitable m  
as a powerful activator of TTX  
channels in various excitable i  
concentration range of 10-100



❖ Nutrition Research		
❖ Proteomics	Benzamil hydrochloride hydrate ≥98% (HPLC)	Selective and potent blocker c
❖ Learning Center		
❖ Life Science Services	Benzocaine	
	Benzoylheteratisine hydrochloride ≥97% (TLC), solid	A Na <sup>+</sup> <b>channel</b> blocker; poten
	BIA 2-093 ≥98% (HPLC), solid	Blocker of voltage-gated <b>sodi</b> excitatory amino acid (glutama
	Brevetoxin 2	Potent toxins responsible for " compounds disrupt neurotrans channels.
	Brevetoxin 9	Potent toxins responsible for " compounds disrupt neurotrans channels.
	Bupivacaine hydrochloride ≥ 99%	<b>Sodium channel</b> blocker, loc
	Carbamazepine powder	Anticonvulsant; ligand for the modulatory site. <b>Sodium channel inhibitor</b>
	Carbamazepine meets USP testing specifications	Anticonvulsant; ligand for the modulatory site. <b>Sodium channel inhibitor</b>
	Conotoxin GI ≥97% (HPLC)	Postsynaptic <b>inhibitor</b> at the r
	3',4'-Dichlorobenzamil hydrochloride >98% (HPLC)	Inhibits Na <sup>+</sup> /Ca <sup>2+</sup> exchanger, I reticulum Ca <sup>2+</sup> release channe
	Dihydroouabain	Cardiac glycoside; an <b>inhibito</b>
	Disopyramide	Class IA antiarrhythmic; <b>sodi</b>
	Disopyramide phosphate salt	Class IA antiarrhythmic; <b>sodi</b>
	Encainide hydrochloride ≥98% (HPLC), powder	Encainide hydrochloride is a <b>s</b> lc antiarrhythmic. Encainide is benzanilide derivative.
	Flecainide acetate salt	Class IC antiarrhythmic agent;
	Grayanotoxin III Hemi(ethyl acetate) adduct ≥90% (GC)	<b>Sodium channel</b> modulator
	Halofantrine hydrochloride ≥ 98% (HPLC), solid	Halofantrine is a blocker of de via the inhibition of hERG <b>cha</b>



KR-32568 $\geq 98\%$ (HPLC), solid	<b>Sodium</b> /hydrogen exchanger- $\mu\text{M}$ ; inhibited NHE-1-mediated anesthetized rats, reduced infarct size by 43% (at 0.1 mg/kg) and 24% (at 1.0 mg/kg); reduced ventricular premature beats from 115 (at 1.0 mg/kg) to 17 (0.1 mg/kg) and 0 (1.0 mg/kg) and treatment of myocardial ischemia
Lappaconitine hydrobromide 96%, solid	Selective blocker of the TTX-sensitive $\text{Na}^+$ channel; influence on the activation threshold
Lidocaine powder	$\text{Na}^+$ <b>channel</b> blocker; class IB antiarrhythmic; absorbed after parenteral administration
Lidocaine Sigma Reference Standard	$\text{Na}^+$ <b>channel</b> blocker; class IB antiarrhythmic; absorbed after parenteral administration
Lidocaine hydrochloride monohydrate solid	$\text{Na}^+$ <b>channel</b> blocker; class IB antiarrhythmic; absorbed after parenteral administration
Lidocaine N-ethyl chloride	Lidocaine N-ethyl chloride is a <b>sodium channel</b> blocker.
Lidocaine N-methyl chloride	Intracellular voltage-gated <b>sodium channel</b> blocker
R(-)-Me5 hydriodide solid	Potent <b>sodium channel</b> antagonist
Mepivacaine hydrochloride 98.0-102.0%, meets USP testing specifications	Local anesthetic. Reversibly blocks $\text{Na}^+$ and $\text{K}^+$ as well as the steady-state $\text{K}^+$ pore (TASK) and Kv1.5, potassium channels
Metolazone $\geq 98\%$ (HPLC), solid	<b>Inhibitor</b> of thiazide-sensitive $\text{Na}^+$ $\text{Cl}^-$ cotransporter; antihypertensive; moderate "loop" diuretic
Mexiletine hydrochloride $>98\%$ (GC), powder	Class IB antiarrhythmic; <b>sodium channel</b> blocker
Ouabain octahydrate $\geq 95\%$ (HPLC), powder	Cardiac glycoside, inhibits $\text{Na}^+$ $\text{ATPase}$ transcription of MDR (increase and decrease CFTR, cystic fibrosis transmembrane conductance-regulated <b>channel</b> ) genes, Ouabain resistance is associated with ATPase isoforms with low binding affinity
$\alpha$ -Pompilidotoxin $>98\%$	Voltage-gated <b>sodium channel</b> blocker
$\beta$ -Pompilidotoxin $\geq 98\%$	Voltage-gated <b>sodium channel</b> blocker
Procainamide hydrochloride	Inhibits DNA methyltransferase regulation of gene expression. IA anti-arrhythmic.



Procaine hydrochloride $\geq 97\%$	Na <sup>+</sup> <b>channel</b> blocker
Propafenone hydrochloride	Blocks hKv1.5 and ATP-sensitive antiarrhythmic agent that is also receptors.
Pyrethrum extract ~25% (pyrethrine I)	
Quinidine anhydrous	Class IA antiarrhythmic; potassium
Quinidine sulfate salt dihydrate	Class IA antiarrhythmic; potassium
<b>Sodium/Potassium Channel Modulators</b> Ligand Set ligand set for potassium/ <b>sodium channel</b> modulators, exchangers, cotransporters, ionophores and ion pumps	
Tetrodotoxin powder	Reversible, selective blocker of propagation of impulses in excitation; characterize <b>sodium</b> channels; study the role of <b>sodium</b> channel disease.
Tetrodotoxin ~99% (HPLC), powder	Reversible, selective blocker of propagation of impulses in excitation; characterize <b>sodium</b> channels; study the role of <b>sodium</b> channel disease.
Tocainide hydrochloride $\geq 98\%$ (HPLC), solid	Tocainide hydrochloride is a <b>s</b> antiarrhythmic.
Tolperisone hydrochloride $\geq 98\%$ (HPLC), solid	Tolperisone is an ion <b>channel</b> muscle relaxant.
Triamterene $\geq 99\%$	Weak diuretic with potassium reuptake in the kidneys.
UCL 2077 $\geq 98\%$ (HPLC), solid	UCL 2077 is a slow afterhyperpolarization blocker.
Veratridine $\geq 90\%$ (HPLC), powder	Opens voltage-dependent Na <sup>+</sup> inactivation. This, in turn, opens channels, thus increasing intracellular inducing neurotransmitter release; depolarizes excitable tissue; increases <b>sodium</b> permeability. Veratridine <i>in vitro</i> .



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